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Date of Deposit: July 6, 2001

Attorney Docket No: 15966-729 (Cura-229)



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Taupier et al.  
SERIAL NUMBER: 09/813,432 EXAMINER: Not Yet Assigned  
FILING DATE: March 20, 2001 ART UNIT: Not Yet Assigned  
FOR: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME

Assistant Commissioner for Patents  
Washington, D.C. 20231


**TRANSMITTAL**

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement;
2. Modified form 1449 (in duplicate); and
3. Return Postcard.

Although Applicants believe that no additional fees are due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to Deposit Account No. 50-0311 (Reference No. 15966-729; Cura-229). A duplicate of this Transmittal is enclosed herewith.

Respectfully submitted,

  
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Dated: July 6, 2001

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Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is believed required. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 15966-729; Cura-229).

Respectfully submitted,

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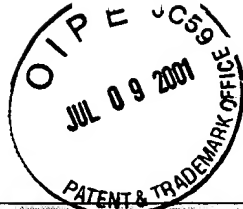
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<b>Modified Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	09/813,432
	<b>Filing Date</b>	3/20/01
	<b>First Named Inventor</b>	Taupier
	<b>Group Art Unit</b>	Not Yet Assigned
	<b>Examiner Name</b>	Not Yet Assigned
	<b>Attorney Docket Number</b>	15966-729

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date if Appropriate
	A1	6,140,098	10/31/00	Schering Corporation			8/30/96

FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	No
	B1	WO	94/12534	University of Cincinnati	June 4, 1994		
	B2	WO	00/36105	Human Genome Sciences	June 22, 2000		
	B3	WO	97/11970	Human Genome Sciences	April 3, 1997		
	B4	WO	99/63088	Genentech, Inc.	Dec. 9, 1999		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	Bissig, et al., 1994 "Functional expression cloning of the canalicular sulfate transport system of rat hepatocytes." J. Biol. Chem. 269 (4), 3017-3021. GenBank Accession Number: <b>P45380</b>
	C2	Burger, A. M., X. Zhang, et al. (1998). "Down-regulation of T1A12/mac25, a novel insulin-like growth factor binding protein related gene, is associated with disease progression in breast carcinomas." <u>Oncogene</u> 16(19): 2459-67.
	C3	Choudari, C. P., G. A. Lehman, et al. (1999). "Pancreatitis and cystic fibrosis gene mutations." <u>Gastroenterol Clin North Am</u> 28(3): 543-9, vii-viii.
	C4	DOE Joint Genome Institute and Stanford Human Genome Center. 2000 Direct Submission. Unpublished. GenBank Accession Number: <b>AC010293</b>
	C5	Fernandez-Salas, et al., 1999 "p53 and tumor necrosis factor alpha regulate the expression of a mitochondrial chloride channel protein." J. Biol. Chem. 274 (51), 36488-36497. GenBank Accession Number: <b>AAF19055</b>
	C6	Girard, J. P., E. S. Baekkevold, et al. (1999). "Molecular cloning and functional analysis of SUT-1, a sulfate transporter from human high endothelial venules." <u>Proc Natl Acad Sci U S A</u> 96(22): 12772-7.
	C7	Heath, P. 2000 Direct Submission. GenBank Accession Number: <b>AL133215</b>
	C8	Hwang, T. C. and D. N. Sheppard (1999). "Molecular pharmacology of the CFTR Cl <sup>-</sup> channel." <u>Trends Pharmacol Sci</u> 20(11): 448-53.
	C9	Isogai, et al., 2000 "NEDO human cDNA sequencing project." Unpublished. GenBank Accession Number: <b>AK001624</b>
	C10	Jentsch, T. J., T. Friedrich, et al. (1999). "The CLC chloride channel family." <u>Pflugers Arch</u> 437(6): 783-95.
	C11	Kawada, M., M. Amemiya, et al. (1999). "Cytostatin, an inhibitor of cell adhesion to extracellular matrix, selectively inhibits protein phosphatase 2A." <u>Biochim Biophys Acta</u> 1452(2): 209-17.
	C12	Kawada, M., M. Amemiya, et al. (1999). "Differential induction of apoptosis in B16 melanoma and EL-4 lymphoma cells by cytosatin and bactobolin." <u>Jpn J Cancer Res</u> 90(2): 219-25.



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C13	Kiefer, M. C., C. Schmid, et al. (1992). "Characterization of recombinant human insulin-like growth factor binding proteins 4, 5, and 6 produced in yeast." <i>J Biol Chem</i> 267(18): 12692-9.
	C14	Kingma, P. B., D. Bok, et al. (1998). "Bovine epidermal fatty acid-binding protein: determination of ligand specificity and cellular localization in retina and testis." <i>Biochemistry</i> 37(10): 3250-7.
	C15	Ku, N. O., S. Michie, et al. (1995). "Chronic hepatitis, hepatocyte fragility, and increased soluble phosphoglycokeratins in transgenic mice expressing a keratin 18 conserved arginine mutant." <i>J Cell Biol</i> 131(5): 1303-14.
	C16	Ku, N. O., T. L. Wright, et al. (1997). "Mutation of human keratin 18 in association with cryptogenic cirrhosis." <i>J Clin Invest</i> 99(1): 19-23.
	C17	Layne, M. D., W. O. Endege, et al. (1998). "Aortic carboxypeptidase-like protein, a novel protein with discoidin and carboxypeptidase-like domains, is up-regulated during vascular smooth muscle cell differentiation." <i>J Biol Chem</i> 273(25): 15654-60.
	C18	Lei, et al., 1999 "Identification of mouse CPX-1, a novel member of the metallocarboxypeptidase gene family with highest similarity to CPX- 2." <i>DNA Cell Biol.</i> 18:175-185. GenBank Accession Number: <b>Q9Z100</b>
	C19	Lei, et al., 1999 "Identification of mouse CPX-1, a novel member of the metallocarboxypeptidase gene family with highest similarity to CPX- 2." <i>DNA Cell Biol.</i> 18:175-185. ABSTRACT ONLY
	C20	Lendahl, U., L. B. Zimmerman, et al. (1990). "CNS stem cells express a new class of intermediate filament protein." <i>Cell</i> 60(4): 585-95.
	C21	Lohi, 2000 "Mapping of Five New Putative Anion Transporter Genes in Human and Characterization of SLC26A6, A Candidate Gene for Pancreatic Anion Exchanger." <i>Genomics</i> 70 (1), 102-112. GenBank Accession Number: <b>AF297659</b>
	C22	Madsen, et al., 1992 "Molecular cloning and expression of a novel keratinocyte protein (psoriasis-associated fatty acid-binding protein [PA-FABP]) that is highly up-regulated in psoriatic skin and that shares similarity to fatty acid-binding proteins." <i>J. Invest. Dermatol.</i> 99 (3), 299-305. GenBank Accession Number: <b>Q01469</b>
	C23	Madsen, P., H. H. Rasmussen, et al. (1992). "Molecular cloning and expression of a novel keratinocyte protein (psoriasis-associated fatty acid-binding protein [PA-FABP]) that is highly up-regulated in psoriatic skin and that shares similarity to fatty acid-binding proteins." <i>J Invest Dermatol</i> 99(3): 299-305.
	C24	Masouye, I., J. H. Saurat, et al. (1996). "Epidermal fatty-acid-binding protein in psoriasis, basal and squamous cell carcinomas: an immunohistological study." <i>Dermatology</i> 192(3): 208-13.
	C25	Miller, et al., 1990 "Cloning and characterization of a second complementary DNA for human tryptase." <i>J. Clin. Invest.</i> 86 (3), 864-870. GenBank Accession Number: <b>P20231</b>
	C26	Neote, 1993 "Molecular cloning, functional expression, and signaling characteristics of a C-C chemokine receptor." <i>Cell</i> 72 (3), 415-425. GenBank Accession Number: <b>P32246</b>
	C27	Online Mendelian Inheritance in Man (OMIM): <b>134640</b> (Downloaded 6/25/01)
	C28	Online Mendelian Inheritance in Man (OMIM): <b>134650</b> (Downloaded 6/25/01)
	C29	Online Mendelian Inheritance in Man (OMIM): <b>134651</b> (Downloaded 6/25/01)
	C30	Online Mendelian Inheritance in Man (OMIM): <b>600434</b> (Downloaded 6/25/01)
	C31	Oshima, et al., 1986 "Comparison of mouse and human keratin 18: a component of intermediate filaments expressed prior to implantation." <i>Differentiation</i> 33 (1), 61-68. GenBank Accession Number: <b>M26326</b>
	C32	Pelchen-Matthews, A., N. Signorel, et al. (1999). "Chemokine receptor trafficking and viral replication." <i>Immunol Rev</i> 168: 33-49.
	C33	Ransohoff, R. M. and K. B. Bacon (2000). "Chemokine receptor antagonism as a new therapy for multiple sclerosis." <i>Expert Opin Investig Drugs</i> 9(5): 1079-97.
	C34	Reynolds, et al., 1991 "Cloning of the cDNA and gene of mouse mast cell protease-6. Transcription by progenitor mast cells and mast cells of the connective tissue subclass." <i>J. Biol. Chem.</i> 266 (6), 3847-3853. GenBank Accession Number: <b>P21845</b>
	C35	Rojo, D., K. Suetomi, et al. (1999). "Structural biology of chemokine receptors." <i>Biol Res</i> 32(4): 263-72.
	C36	Romano, et al., 1986 "Cytokeratin expression in simple epithelia. I. Identification of mRNA coding for human cytokeratin no. 18 by a cDNA clone." <i>Differentiation</i> 30 (3), 244-253. GenBank Accession Number: <b>S05481</b>
	C37	Schweinfest, C. W., K. W. Henderson, et al. (1993). "Identification of a colon mucosa gene that is

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Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
		down-regulated in colon adenomas and adenocarcinomas." <u>Proc Natl Acad Sci U S A</u> 90(9): 4166-70.
	C38	Shimizu, et al., 1997 "Isolation and expression of a cDNA for human brain fatty acid-binding protein (B-FABP)." <u>Biochim. Biophys. Acta</u> 1354:24-28. GenBank Accession Number: <b>O15540</b>
	C39	Simson, L. and P. S. Foster (2000). "Chemokine and cytokine cooperativity: eosinophil migration in the asthmatic response." <u>Immunol Cell Biol</u> 78(4): 415-22.
	C40	Steinert, P. M. and D. R. Roop (1988). "Molecular and cellular biology of intermediate filaments." <u>Annu Rev Biochem</u> 57: 593-625.
	C41	Thakker, R. V. (1999). "Chloride channels in renal disease." <u>Adv Nephrol Necker Hosp</u> 29: 289-98.
	C42	Wilson, RK. 1995 Unpublished. GenBank Accession Number: <b>T74751</b>
	C43	Zlotnik, A., J. Morales, et al. (1999). "Recent advances in chemokines and chemokine receptors." <u>Crit Rev Immunol</u> 19(1): 1-47.

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

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